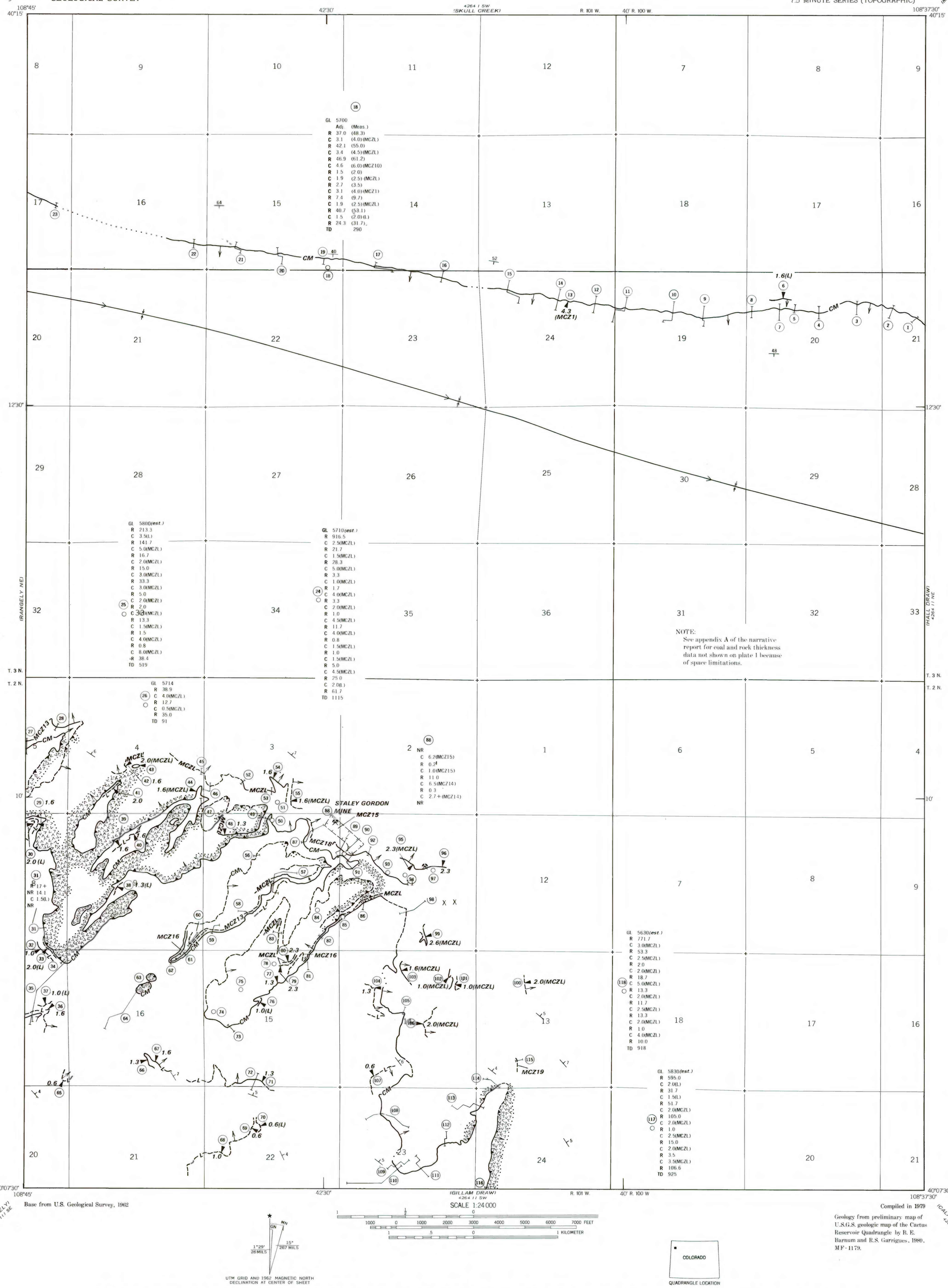
This report has not been edited for conformity with Geological Survey editorial standards or stratigraphic nomenclature.

OPEN-FILE REPORT 79-1416

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CACTUS RESERVOIR QUADRANGLE
COLORADO
7.5 MINUTE SERIES (TOPOGRAPHIC)

PLATE 1 OF 5



NOTE:
See appendix A of the narrative report for coal and rock thickness data not shown on plate 1 because of space limitations.

Base from U.S. Geological Survey, 1962

SCALE 1:24 000

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 KILOMETER

UTM GRID AND 1962 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

QUADRANGLE LOCATION

Compiled in 1979

Geology from preliminary map of U.S.G.S. geologic map of the Cactus Reservoir Quadrangle by B. E. Barnum and R.S. Garrigues, 1980, MF-1179.

EXPLANATION

GL 5700
Adj. (Meas.)
R 37.0 (48.3)
C 3.1 (4.0)(MCZL)
R 42.1 (55.0)
C 3.4 (4.5)(MCZL)
R 46.9 (61.2)

COAL TEST HOLE – Showing drill-hole data in feet. Letters and numbers designate name of coal bed as listed below. Index number refers to hole on plate 3 of CRO map. Where thickness adjusted for dip over 25°, Adj.; measured thickness in parentheses (Meas.).

NR 6.2(MCZ15)
C 0.2
R 1.0(MCZ15)
C 11.0
NR

MINE MEASURED SECTION – Abandoned mine, showing rock interval and thickness of coal, in feet. Letters and numbers designate name of coal bed as listed below. Index number refers to section on plate 3 of CRO map and in appendix A of the narrative report.

R 17+
NR 14.1
C 1.5(L)
NR

LINE OF MEASURED SECTION – Showing coal and rock thickness, in feet. Letters and numbers designate name of coal bed as listed below. Index number refers to section on plate 3 of CRO map and in appendix A of the narrative report.

GL – Ground level elevation
R – Rock interval
C – Coal interval
TD – Total depth
Adj. – Thicknesses adjusted for dip
(Meas.) – Thicknesses as measured in drill hole
NR – No record of lithology

DRILL HOLE AND MEASURED SECTION DATA SYMBOLS

MCZ1-20 — Main Coal Zone Beds 1-20
MCZ15 — Main Coal Zone Bed 15 (Locally Staley or "D" Bed)
MCZL — Local coal bed in Main Coal Zone
L1 — Local coal bed no. 1
L — Local coal bed

COAL BED SYMBOLS AND NAMES - The numbered coal beds have been correlated over small areas, generally within the quadrangle; the sequential numbering does not necessarily reflect the true stratigraphic position of one coal bed with respect to another.

MCZL
1.6

TRACE OF COAL BED OUTCROP–Showing thickness of coal, in feet, measured at triangle. Letters designates name of coal bed as listed above. Arrow points toward the coal bearing area. Index number refers to section on plate 3 of CRO map. Dashed line indicates outcrop inferred by original author.

CM

Coal Marker at base of Main Coal Zone; coal bed may or may not be present; dashed where approximately located; dotted where concealed.

BURNED AND CLINKERED COAL BED–Showing area of baked and fused rock (v symbol). Dotted line indicates the inferred limit of burning.

SYNCLINE–Showing axial trace and direction of plunge.

STRIKE AND DIP OF BEDS

Coal mine, inactive or abandoned

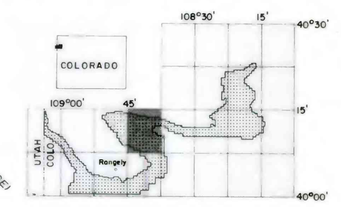
Coal prospect pit

MCZ15
STALEY GORDON MINE

Subsurface coal mine showing name of mine and beds removed. Hachures point to mined-out areas. Dashed where approximately located.

COAL MINE SYMBOLS

To convert feet to meters, multiply feet by 0.3048.



MAP SHOWING LOCATION OF THE CACTUS RESERVOIR QUADRANGLE (SHADED) AND THE LOWER WHITE RIVER KNOWN RECOVERABLE COAL RESOURCE AREA (STIPPLED).

COAL RESOURCE OCCURRENCE MAP OF THE CACTUS RESERVOIR QUADRANGLE, RIO BLANCO AND MOFFAT COUNTIES, COLORADO

BY

AAA ENGINEERING AND DRAFTING, INC.

1980

PLATE 1
COAL DATA MAP